

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of managing defective storage units on a record carrier, ~~in particular on a rewritable optical record carrier, comprising the steps of~~ of the method comprising acts of:

[[-]] storing first user data, ~~which are or should be in determined for storage in a first user storage unit (U1) denoted as a defective storage unit, in a first alternate storage unit (A1),~~

[[-]] storing second user data, ~~which are or should be in determined for storage in a second user storage units (U2-U5) unit that is not a defective storage unit located before and/or behind said first user storage unit (U1) denoted defective storage unit, in a second alternate storage units (A2-A5) unit,~~ and

[[-]] storing address entries of said first and second alternate storage units ~~(A1-A5) in a defective storage unit list (DSL) to be used for accessing said first and second user data instead of address entries of said first and second user storage~~

units—(U1-U5).

2. (Currently amended) A—The method as claimed in claim 1, wherein said first and second alternate storage units ~~(A1-A5)~~ are located in a defect management area ~~(SA2)~~.

3. (Currently amended) A—The method as claimed in claim 1, wherein said first storage unit is ~~a sector or a storage block, in particular~~ at least a portion of an ECC block.

4. (Currently amended) A—The method as claimed in claim 1, wherein the second user data, ~~which are or should be in storage in second user storage units (U2-U5) located before and/or behind said first user storage unit (U1) denoted defective storage unit, are stored in second alternate storage units (A2-A5)~~ comprises an ECC block.

5. (Currently amended) A—The method as claimed in claim 1, wherein said second alternate storage units ~~(A2-A5)~~ are unit is located before ~~and/or~~ or behind said first alternate storage unit ~~(A1)~~.

6. (Currently amended) A device for managing defective storage units on a record carrier, ~~in particular on a rewritable optical record carrier,~~ the device comprising:

[[-]] data storage means for storing first user data, ~~which are or should be in~~ determined for storage in a first user storage unit (U1) denoted as a defective storage unit, in a first alternate storage unit ~~(A1)~~ and for storing second user data, ~~which are or should be in~~ determined for storage in a second user storage units (U2-U5) unit that is not a defective storage unit located before and/or behind said first user storage unit (U1) denoted defective storage unit, in a second alternate storage units (A2-A5) unit, and

[[-]] address storage means for storing address entries of said first and second alternate storage units ~~(A1-A5)~~ in a defective storage unit list ~~(DSL)~~ to be used for accessing said first and second user data instead of address entries of said first and second user storage units ~~(U1-U5)~~.

7. (Currently amended) Recording apparatus for recording data on a record carrier, ~~in particular on a rewritable optical record carrier,~~ comprising a device for managing defective storage units

~~as claimed in claim 6, the apparatus comprising:~~

data storage means for storing first user data, determined for storage in a first user storage unit denoted as a defective storage unit, in a first alternate storage unit and for storing second user data, determined for storage in a second user storage unit that is not a defective storage unit, in a second alternate storage unit,
and

address storage means for storing address entries of said first and second alternate storage units in a defective storage unit list to be used for accessing said first and second user data instead of address entries of said first and second user storage units.

8. (Currently amended) A record carrier, ~~in particular a rewritable optical record carrier,~~ comprising:

[[-]] a first alternate storage unit ~~(A1)~~ for storing first user data, which are to be stored determined for storage in a first user storage unit ~~(U1)~~ that is denoted a defective storage unit,

[[-]] second alternate storage units ~~(A2-A5)~~ unit for storing second user data, which are to be stored determined for storage in a second user storage units ~~(U2-U5)~~ unit that is not a defective

~~storage unit located before and/or behind said first user storage unit (1) denoted defective storage unit, and~~

[[-]] a defective storage unit list (DSL) for storing address entries of said first and second alternate storage units (A1-A5), which defective storage unit list (DSL) is to be used for accessing said first and second user data instead of address entries of said first and second user storage units (U1-U5).

9. (Currently amended) Computer program stored on a computer readable device, the computer program comprising computer program means for causing a computer to perform the steps of the method as claimed in claim 1 when said computer program is run on a computeracts of:

storing first user data, determined for storage in a first user storage unit denoted as a defective storage unit, in a first alternate storage unit,

storing second user data, determined for storage in a second user storage unit that is not a defective storage unit, in a second alternate storage unit, and

storing address entries of said first and second alternate storage units in a defective storage unit list to be used for

accessing said first and second user data instead of address
entries of said first and second user storage units.

10. (New) The method as claimed in claim 1, wherein the record carrier is a rewritable optical record carrier.

11. (New) The method as claimed in claim 1, wherein said second storage unit is at least a portion of an ECC block.

12. (New) The method as claimed in claim 1, wherein the act of storing said first and second user data results in a same sequence of storage units in the first and second alternate storage units as would have occurred had the first and second user data been stored in the first and second storage units.

13. (New) The method as claimed in claim 1, comprising an act of marking the second user storage unit that is not a defective storage unit as a defective storage unit.

14. (Currently amended) The method as claimed in claim 1, wherein said second storage unit is located before or behind said first

storage unit.